



## Figure 2

Alignment of the CAH gene from Myrothecium verrucaria with a new cyanamide tolerance gene isolated from Aspergillus (CAH-H1) and a non-functional yeast CAH homolog (CAH-H2)

CAH CAH-H1 CAH-H2	MSSSEVKANGWTAVPVSAKAIVDSLGKLGDVSSYSVEDIAFPAADKLVAEAQAFVKARLS ( MCQNEVEVNGWTSMPADAGAIFDGGPFINVPEALSIEEIKFPVDDPIVEKTMRYAKAALP (MSQYGFVRVPREVEKAIPVVNAPRPRAVVPPPNSETARLVREYAAKELT ( : *: : *	60
CAH CAH-H1 CAH-H2	PETYNHSMRVFYWGTVIARRLLPEQAKDLSPSTWALTCLLHD 1 TETFNHSMRVYYYGMQDCASHGVLINRSQALGMAITKQQFPKQASALSPSTWALTCLHD 1 APVLNHSLRVFQYSVAIIRDQFP-AWDLDQEVLYVTCLHD 8 . ***:**: : * * * : *******	120
CAH CAH-H1 CAH-H2	VGTAEAYFTSTRMSFDIYGGIKAMEVLK-VLGSSTDQAEAVAEAIIRHEDVGVDGNITFL 1 IGTSDHNLAATRMSFDIYGGIKALEVLK-GFGATSDQAEAVAEAIIRHQDLGVHGTITYI 1 IATTDKNMRATKMSFEYYGGILSRELVFNATGGNQDYADAVTEAIIRHQDLTGTGYITTL 1 :.*:: ::****: **** ; *:: * * *:**:********* ; * * * * ; * :: * * * *	179
CAH-H1 CAH-H2	GQLIQLATLYDNVGAYDGIDDFGSWVDDTTRNSINTAFPRHGWCSWFACTVRKEESNKPW 2 GQLIQLATIYDNVGAHPYVKDFGELIHDTTRSQVHEAHPPGEWRTFFSGVIQKEQAIKPW 2 GLILQIATTLDNVGSNTDLIHIDTVSAINEQFPRLHWLSCFATVVDTENSRKPW 2 * ::*:** ****:	239
CAH CAH-H1 CAH-H2	CHTTHIPQ-FDKQMEANTLMKPWE 244 CHTKKMVN-VLRKGSRHPDGQ 259 GHTSSLGDDFSKKVICNTFGYN 225 **.::.::::::::::::::::::::::::::::::::	

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## Figure 3

Alignment between a new ubiquitin-like promoter (UbiN) and the corresponding part of the sugarcane Ubiquitin-4 promoter.

Ubi4 UbiN	AAGCAAACGGTATAGCAACGGTGTTAACCTGATCTAGTGATCTCTTGCAATCCTTAACGG AAGCAAAGGGTATGGCAACTGTGTCACCGCCCTTCGCTGCGTGTTAACGG	_
Ubi4	CCACCTACCGCAGGTAGCAAACGGCGTCCCCCTCCTCGATATCTCCGCGGCGACCTCTGG	120
UbiN	CCACCAACCGCAGGTAGCAAACGGCGTGCACCTTCCCGAGATCTCCACAGCGAGGTCTGG	110
Ubi4	CTTTTTCCGCGGAATTGCGCGGTGGGGACGGATTCCACAACCGCGACGCAA-CCGCCTCT	179
ObiN	CTTTTTCCGCCTTCCCG-GAAACCGCGGTGGTTTCAGCGTGGCGGATTCCCCCTCC	165
Ubi4	CGCCGCTGGGCCCCACACCGCTCGGTGCCGTAGCCTCACGGGACTCTTTCTCCCTCC	239
Ubin	CACCACCCAACCGC-CATAAATACCAGCCCCCACCTCACTCTCTTTGCATATCCATC	221
Ubi4	CCCGTTATAAATTGGCTTCATCCCCTCCTTGCCTC 274	
UbiN	CAAATCCCAGTCCCCAATC 240	

